

| | BG4KTR | BG4KTR-S | BG5KTR | BG5KTR-S | BG6KTR | BG8KTR | BG10KTR |
|--|--|----------|--------|----------|--------|---------------|---------|
| Input (DC) | | | | | | | |
| Max. DC input power (W) | 4800 | 4800 | 5700 | 5700 | 7200 | 9000 | 11000 |
| Max. DC input voltage (V) | 900 | | | | | 1000 | |
| Starting voltage (V) / Min. operation voltage (V) | 220/180 | | | | | 220/150 | |
| MPPT range (V) | 200-800/580 | | | | | 200-800/610 | |
| Quantity of MPPT / String per MPPT | 2/1 | 1/1 | 2/1 | 1/1 | 2/1 | | |
| Max. DC current (A) per MPPT x Quantity of MPPT | 10x2 | 12x1 | 10x2 | 12x1 | 10x2 | 12x2 | 12.5x2 |
| Output (AC) | | | | | | | |
| Rated output power (W) | 4000 | 4000 | 5000 | 5000 | 6000 | 8000 | 10000 |
| Max. AC output current (A) | 6,4 | 6,4 | 8 | 8 | 9,6 | 12,6 | 14 |
| Power factor | ≥0.99 (at rated power) | | | | | | |
| THDi | <3% (at rated power) | | | | | | |
| Nominal output voltage (V) / frequency (Hz) | 230/400V;220/380V, 3L+N+PE/3L+PE, 50/60 | | | | | | |
| Efficiency | | | | | | | |
| Max. efficiency | 98,10% | 98,10% | 98,10% | 98,10% | 98,20% | 98,30% | 98,30% |
| Euro-efficiency | 97,50% | 97,50% | 97,60% | 97,60% | 97,70% | 97,80% | 97,80% |
| MPPT efficiency | 99,90% | | | | | | |
| Protection | | | | | | | |
| Protection | DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc. | | | | | | |
| General data | | | | | | | |
| Display | 2.0 inches LCD display, support backlit display | | | | | | |
| LCD language | English, Chinese, German, Dutch | | | | | | |
| Communication interface | RS485(standard); WiFi, Ethernet (optional) | | | | | | |
| Cooling method | Natural cooling | | | | | Smart cooling | |
| Protection degree | IP65 | | | | | | |
| Night self consumption (W) | <1 | | | | | | |
| Topology | Transformerless | | | | | | |
| Operating temperature range | -25°C~+60°C(derate after 45°C) | | | | | | |
| Relative humidity | 4~100%, condensation | | | | | | |
| Dimension (H x W x D mm) | 530x360x150 | | | | | 575x360x150 | |
| Weight (kg) | 20 | | | | | 23 | |
| Grid qualification | IEC 61727(IEC62116), IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, VDE0126-1-1, VDE-AR-N4105, G59/3, C10/11, AS/NZS 4777.2:2015, NB/T 32004-2013, PEA, ZVR | | | | | | |
| Safe certificate / EMC certificate | IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011 | | | | | | |
| Factory warranty (years) | 5(standard)/10(optional) | | | | | | |

| | BG12KTR | BG15KTR | BG17KTR |
|--|--|---------|---------|
| Input (DC) | | | |
| Max. DC input power (W) | 14000 | 18000 | 19500 |
| Max. DC input voltage (V) | 1000 | | |
| Starting voltage (V) / Min. operation voltage (V) | 200/180 | | |
| MPPT range (V) | 180-800 | | |
| Quantity of MPPT / String per MPPT | 2/2 | | |
| Max. DC current (A) per MPPT x Quantity of MPPT | 19x2 | 21x2 | 23x2 |
| Output (AC) | | | |
| Rated output power (W) | 12000 | 15000 | 17000 |
| Max. AC output current (A) | 19,3 | 24,1 | 27,3 |
| Power factor | -0.8~+0.8(adjustable) | | |
| THDi | <3% (at rated power) | | |
| Nominal output voltage (V) / frequency 9Hz) | 230/400;220/380, 3L+N+PE/3L+PE, 50/60 | | |
| Efficiency | | | |
| Max. efficiency | 98,20% | 98,30% | 98,30% |
| Euro-efficiency | 97,60% | 97,80% | 97,80% |
| MPPT efficiency | 99,90% | | |
| Protection | | | |
| Protection | DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc. | | |
| General data | | | |
| Display | 3.5 inches LCD display, support backlit display | | |
| LCD language | English, Chinese, German, Dutch | | |
| Communication interface | RS485(standard); WiFi, Ethernet(optional) | | |
| Cooling method | Smart cooling | | |
| Protection degree | IP65 | | |
| Night self consumption (W) | <0.5 | | |
| Topology | Transformerless | | |
| Operating temperature range | -25°C~+60°C(derate after 45°C) | | |
| Relative humidity | 4~100%, condensation | | |
| Dimension (H x W x D mm) | 610x480x204 | | |
| Weight (kg) | 38 | | |
| Grid qualification | DIN VDE 0126-1-1:2013, VDE-AR-N 4105 :2011, DIN VDE V 0124-100:2012, IEC 61727(IEC62116), AS/NZS 4777.2:2015, NB/T32004-2013, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, C10/11:2012 | | |
| Safe certificate / EMC certificate | IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011 | | |
| Factory warranty (years) | 5(standard)/10(optional) | | |
| | | | |

| | BG40KTR | BG50KTR | BG60KTR | BG70KTR |
|--|--|---------|---------|---------|
| Input (DC) | | | | |
| Max. DC input power (W) | 55000 | 66000 | 72000 | 77000 |
| Max. DC input voltage (V) | 1100 | | | |
| Starting voltage (V) / Min. operation voltage (V) | 200/570 | | | |
| MPPT range (V) | 570-950 | | | |
| Quantity of MPPT / String per MPPT | 1/10 | 1/12 | 1/14 | 1/14 |
| Max. DC current (A) per MPPT x Quantity of MPPT | 74x1 | 90x1 | 120x1 | 120x1 |
| Output (AC) | | | | |
| Rated output power (W) | 40000 | 50000 | 60000 | 66000 |
| Max. AC output current (A) | 63,5 | 72,5 | 96 | 96 |
| Power factor | -0.8~+0.8 (adjustable) | | | |
| THDi | <3% (at rated power) | | | |
| Nominal output voltage (V) / frequency (Hz) | 230/400, 3L+N+PE/3L+PE, 50/60 | | | |
| Efficiency | | | | |
| Max. efficiency | 98,90% | 98,90% | 99,00% | 99,00% |
| Euro-efficiency | 98,50% | 98,50% | 98,50% | 98,50% |
| MPPT efficiency | 99,90% | | | |
| Protection | | | | |
| Protection | DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc. | | | |
| General data | | | | |
| Display | 3.5 inches LCD display, support backlit display | | | |
| LCD language | English, Chinese, German, Dutch | | | |
| Communication interface | RS485(standard), WiFi, Ethernet(optional), PLC carrier communication(optional) | | | |
| Cooling method | Smart cooling | | | |
| Protection degree | IP65 | | | |
| Night self consumption (W) | <0.5 | | | |
| Topology | Transformerless | | | |
| Operating temperature range | -25°C~+60°C(derate after 45°C) | | | |
| Relative humidity | 4~100%, condensation | | | |
| Dimension (H x W x D mm) | 810X645X235 | | | |
| Weight (kg) | 53 | | | |
| Grid qualification | NB/T 32004-2013, TUV, CE, VDE0126-1-1, VDE-AR-N4105, G59/3,C10/11, TF3.2.1, AS/NZS 4777.2:2015, EN61000-6-1:4, EN61000-11:12, IEC62109-1:2010, PEA, ZVRT | | | |
| Safe certificate / EMC certificate | VDE-AR-N4105, AS4777/3100, CQC | | | |
| Factory warranty (years) | 5(standard)/10(optional) | | | |

| | BG20KTR | BG25KTR | BG30KTR | BG33KTR | BG35KTR | BG40KTR-HV | BG50KTR-HV |
|--|--|---------|---------|---------|---------|-------------------------------------|---|
| Input (DC) | | | | | | | |
| Max. DC input power (W) | 20800 | 28000 | 33000 | 36000 | 38000 | 42800 | 53000 |
| Max. DC input voltage (V) | 1000 | | | | | | 1100 |
| Starting voltage (V) / Min. operation voltage (V) | 300/280 | | | | | | 200/160 |
| MPPT Range (V) | 280-800 | | | | | | 200-900 |
| Quantity of MPPT / String per MPPT | 2/3 | | | | 2/4 | | 2/5 |
| Max. DC current (A) per MPPT x Quantity of MPPT | 25x2 | 30x2 | 33x2 | 33x2 | 33x2 | 33x2 | 42x2 |
| Output (AC) | | | | | | | |
| Rated output power (W) | 20000 | 25000 | 30000 | 33000 | 35000 | 40000 | 50000 |
| Max. AC output current (A) | 32 | 40 | 48 | 48 | 48 | 48 | 53 |
| Power factor | -0.8~+0.8(adjustable) | | | | | | |
| THDi | <3%(at rated power) | | | | | | |
| Nominal output voltage (V) / frequency (Hz) | 230/400; 220/380, 3L+N+PE/3L+PE, 50/60 | | | | | 277/480, 3L+N+PE/3L+PE, 50/60 | 310/540, 3L+N+PE/3L+PE, 50/60 |
| Efficiency | | | | | | | |
| Max. efficiency | 98,40% | 98,40% | 98,50% | 98,50% | 98,50% | 98,60% | 98,60% |
| Euro-efficiency | 98,00% | 98,00% | 98,00% | 98,10% | 98,10% | 98,20% | 98,20% |
| MPPT efficiency | 99,90% | | | | | | |
| Protection | | | | | | | |
| Protection | DC breaker, AC short-circuit protection, Over current protection, Over voltage protection, Isolation protection, RCD, Surge protection, Anti-island protection, Over-temperature protection, Ground fault monitoring, etc. | | | | | | |
| General data | | | | | | | |
| Display | 3.5 inches LCD display, support backlit display | | | | | | LED display |
| LCD language | English, Chinese, German, Dutch | | | | | | / |
| Communication interface | RS485(standard), WiFi, Ethernet(optional) | | | | | | RS485(standard), WiFi, Etherne(optional), PLC carrier communication (optional) |
| Cooling method | Smart cooling | | | | | | |
| Protection degree | IP65 | | | | | | |
| Night self consumption (W) | <0.5 | | | | | | |
| Topology | Transformerless | | | | | | |
| Operating temperature range | -25°C~+60°C(derate after 45°C) | | | | | | |
| Relative humidity | 4~100%, condensation | | | | | | |
| Dimension (H x W x D mm) | 660x520x250 | | | | | | 645x660x425 |
| Weight (kg) | 52 | | | | | | 57 |
| Grid qualification | DIN VDE 0126-1-1:2013, VDE-AR-N 4105:2011, DIN VDE V 0124-100:2012, IEC 61727(IEC62116), AS/NZS 4777.2:2015, NB/T32004-2013, IEC 60068-2-1:2007, IEC 60068-2-2:2007, IEC 60068-2-14:2009, IEC 60068-2-30:2005, IEC 61683:1999, C10/11:2012, G59/3-2:2015, EN 50438:2013, Leader, ZVRT, PEA | | | | | | |
| Safe certificate / EMC certificate | IEC 62109-1:2010, IEC 62109-2:2011, EN 61000-6-2:2005, EN 61000-6-3:2007/A1:2011 | | | | | | |
| Factory warranty (years) | 5(standard)/10(optional) | | | | | | |